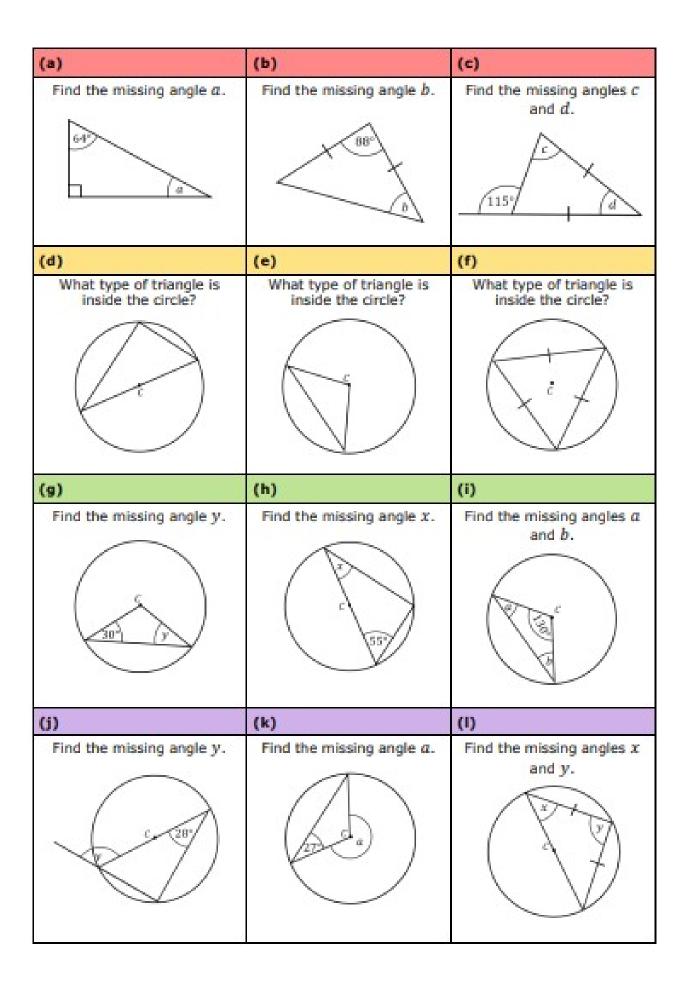
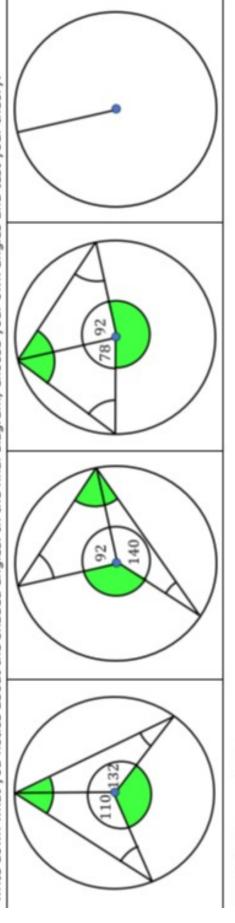
(4) Circle Theorems and Quadrilaterals Do now



The next three diagrams show two joined isosceles triangles that fit together inside a full circle. Calculate all marked angles and write down what you notice about the shaded angles. In the final diagram, choose your own angles and test your theory.



## What did you notice?

## More Investigating Triangles Inside Circles

The first three diagrams show four joined isosceles triangles that fit together inside a circle. Calculate all marked angles and write down what you notice about the shaded angles. In the final diagram, choose your own angles and test your theory. 90 120

## What did you notice?

